MANGANESE PROSPECTS IN SHENANDOAH VALLEY Ore That Has but Recently Become

Government and State Geologists Make Reports That Are Very

Encouraging.

Rich Deposits in Augusta and Rock-

of the relations of the manganese de- quarter, posits to the rocks and to the surface

are indicated below in the order of greatest promise.

Tract No. 1 lies twe miles southwest of Elkton, within a mile of the Norfolk and Western Railway. It is a triangular area about half a mile long, and comprises about 150 acres lying between the white quartite ridges locally called Little Piney Mountain, on the morthwest, and Big Piney Mountain, on the southeast. The structure of the southeast. The structure of the southeast. The structure of the rocks in the surrounding mountains, or coke in the surrounding mountains, or cokes in the surrounding mountains.

Inquiries made by the survey indicate that the shipments in 1918 will be between 175,000 and 200,000 tons. The form that figure up to \$16. Short leaf brought \$15 to \$17 per 100, and long leaf \$16 to \$19. These figures are long leaf \$16 to \$19. These figures are long leaf \$16 to \$19. The Bank of Wyoming, at Mullens, the screen that figure up to \$16. Short leaf brought \$15 to \$17 per 100, and long leaf \$16 to \$19. These figures are long leaf \$16 to \$19. These figures are long leaf \$16 to \$19. The Bank of Wyoming, at Mullens, the screen that figure up to \$16. Short leaf brought \$15 to \$17 per 100, and long leaf \$16 to \$19. These figures are long leaf \$16 to \$19. These figures are long leaf \$16 to \$19. The Bank of Wyoming, at Mullens, the screen that figure up to \$16. Short leaf brought \$15 to \$17 per 100, and long leaf \$16 to \$19. These figures are long leaf \$16 to \$19. The Bank of Wyoming, at Mullens, the screen that figure up to \$16. Short leaf brought \$15 to \$17 per 100, and long leaf \$16 to \$19. These figures are long leaf \$16 to \$19. The Bank of Wyoming, at Mullens, the screen that figure up to \$16. Short leaf brought \$15 to \$17 per 100, and long leaf \$16 to \$19. The Bank of Wyoming, at Mullens, the screen that figure up to \$16. The leaf brought \$15 to \$19. The Bank of Wyoming, at Mullens, the screen that figure up to \$16. The screen that figure up to comprises about 180 acres lying Between the white quartile ridges locally called Little Piney Mountain, on the marginal of it was used to make ferromorthwest, and Big Piney Mountain, on the southcast. The structure of the rocks in the surrounding mountains, the favorably located basin filled with wash and the observed presence of marginal process of the first nine months was shipped in the first nine months of 1917 by fifty-eight operators, against the first nine months of 1917 by fifty-eight operators, a manganese ore in the trough justify the recommendation that this triangular area be thoroughly prospected. MANGANESE ORE IN AUGUSTA
AND ROCKINGHAM COUNTIES it

AND ROCKINGHAM COUNTIES

Tract No. 2 lies between two spurs of the Blue Ridge in Augusta County, about three miles southwest of Shen-andoah, and six miles south-southwest andoah, and six miles south-southwest of Lyndhurst. It is about midway between the Kennedy mine, on the northwest, and the Mt. Torry mine on the southeast, and is drained by Mills Creck. A lumber railroad over which ore from these two mines is shipped the tract, and ions. passes just north of the tract, and joins the Norfolk and Western Railway near Lipscomb. The structural conditions in this tract are favorable for the accumulation of manganese ore in comparation of manganese pulsations of manganese pulsations of manganese pulsations of manganese pulsations of the femalinder was smelted with iron ore to make high manganese pulsations. The rate of production of Virginia and Tennessee is increasing, but that of Arkansas and Georgia is not much lipscomb.

and Piney Mountains, two foothills of the Blue Ridge, about five miles north-east of Elkton. Most of it is in Rockingham County, but part is in Page County. Naked Creek, which flows near the north edge of the tract, forms the oundary line between the two coun- Industrial Notes From Here and There tics. So far as could be learned, no prospecting for manganese has been

Grindstone Mountain between the ine and the tract.

This tract is favorably situated for of Alma, Mich., has definitely determined the company of Alma, Mich., has definitely determined the company. the accumulation of ore, because the syncline from which ore could have been concentrated is broad and open.

This tract is interactly situates the of Alma, Mich., has definitely determined to establish an assembling plant at Roanoke.

The new company which has bought been concentrated is broad and the The new company which has been reported here, out the Mecklenburg Mineral Water the tract should be thoroughly prospected by drilling or by digging pits. Prospecting in the flats along Naked Creek and its tributary that flows northward at the west base of Piney Mountain is not recommended, for little, if any, residual clay in which little, if any, residual clay in which manganese ore would be deposited oc-

TRANSPORTATION LINES Tenn.-Va.

Tract No. 4, which lies three miles northeast of Waynesboro, is an irregular lowland inclosed by low hills. This region is served by the Norfolk and Western Railway and the Chesapeake and Ohio Railway, which cross are Railway and the Chesapeake and Ohio Railway, which cross are region in Railway.

ganese ore, and two other prospect pits on the west flank of Ramsey Mountain also yielded float ore. The whole lowland southwest of Ramsey Mountain and southeast of Bear Mountain is believed to be underlain by limestone, and the structure in this area, therefore appears to be favorable for the accumulation of ore.

Tract No. 5 is a wedge-shaped embayment six miles due south of Luray, and just northeast of Marksville. It light and heat.

John T. Patrick and associates are to deal of scrap sold, which has tended to decrease the average price, though, and just northeast of Marksville. It light and heat. quartitic ridges, and if the surrounding rocks contain manganese, the structure is favorable for its concentration. So far as could be learned, it has not yet been prospected for manganese. The part of the embayment that lies south of the stream and toad is a lowland, in which there is little coarse wach and has apparently been recently scoured by the stream, so that if any ore was ever denomined by light and heat.

North Wilkesboro has issued \$60,000 of bonds for street improvements and \$55,000 worth for refunding purposes. Customs duties paid into the Winston-Salem "port of entry" office during last month amounted to \$134,635,51, this begins \$14,646,50 greater than the collections in December, 1916.

The internal revenue office at Reids, wille soid revenue office at Reids, will soid revenue office at Reids. if any ore was ever deposited there, it has probably been removed by erosion. The higher part of the area, north of the road, which is deeply covered with was for tobacco. wash, is more favorable for the oc-currence of ore, particularly that por-tion of it that lies at or near the saddle in the valley between the outer ridge and the main ridge.

Tract No. 6 is a small area near the Saihel many area.

Seibel manganese mine, at Happy Creek station, on the Southern Rait. road, three miles east of Front Royal. Manufacturers' Record reports that two

Old Dominion.

Virginia produces more manganese ore than any other State in the Union. Manganese is used for toughening and hardening iron and steel, but other ores PROSPECTING IS RECOMMENDED years. Now, however, the other toughening products have become scarce, and the manganese has become in great ingham Counties; Also in Page able to mine the ore, and the domestic and Warren—All Situated Near output is of great practical importance. So much so that the United States gov During the field season of 1917 the geologists of the United States Geologists of the United States Geologists of the Virginia Geological Survey and of the Virginia Geological Survey made an extended study of the relations of the manganese deernment, as set forth in another col-

covery of more manganese deposits. The Manufacturers' Record reviews the partial report the geologists have made, and draws conclusions worth while. Conditions in the six tracts described appear to be favorable for the accumulation of ores of manganese and manganiferous iron, and the report recommends prospecting in them with a view to the discovery of workable deposits. Any ores that may be found in these tracts are probably so deeply covered by gravel of wash tkat exploration should be made by drilling. The tracts are indicated below in the order of greatest promise.

Tract No. 1 lies twe miles southwest

market from being strong.

The offerings will be small this district Company at Maitland, recently operators in the entire year of 1916.

The ore contained an average of about 18.6 per cent manganese, 29.5 per cent to the contained and the contained to the Houston College of 18.6 per cent manganese, 29.5 per iron and 12.5 per cent silica. Mc

cumulation of manganese ore in commercial quantity, and though none has been reported there, possibly because the basin is deeply filled with wash, the basin is deeply filled with wash, the tract deserves thorough prospecting by drilling.

Less than 40 per cent manganese, so that the large increase in the shipment of low-grade ore in 1917 is very strik, it is anticipated that the balance of the crop in this territory, estimated to be about 5,000,000 pounds.

ALL ABOUT IN VIRGINIA

Over the State. . Business Moving in War Times.

The new company which has bought

s here between the alluvium and unaltered limestone. Prospecting burg, capital \$250,000.

the unaitered limestone. Prospecting should be confined to the area between these two creeks.

CONVENIENT TO THE

The Bristol Ice Cream Company, authorized capital, \$100,000, has been incorporated to do business at Bristol,

TRANSPORTATION LINES

4. which lies three miles is the latest big new industry to be Waynesboro, is an irreguestablished at Hampton. The company

at Basic City.

A prospect pit sunk northeast of Bear Mountain found considerable manWestern Railway, and will largely in-

NORTH CAROLINA NOTES

road, three miles east of Front Royal. The structure in the small valley and mountain slope northeast of the mine is favorable for the accumulation of looking into matters relating to the manganese ore, and such ore has been found here on the surface and in prospect pits. This tract can be most readily prospected with the drill. The treme northwest. The same bed of most favorable place for prospecting is along the mountain front near the Saibel mine, particularly northeast of the mine, between it and the railroad.

Manufacturers' Record reports that two officers of the United States Army are traveling around in North Carolina in the carolina in the carolina in traveling around in North Carolina for the street development of iron ores in that State. The chief mine under consideration is at Cranberry, in the externe northwest. The same bed of ore, of notably high quality, extends across the northern part of Ashe County. There is to be a development of the iron-ore bed in Person County. Setbel mine, particularly northeast of County. There is to be a development the mine, between it and the railroad, of the iron-ore bed in Person County.

From Mining in Giles County.

PEARISBURG. VA. January 12.—The Crockett Mining Company, incorporated here, with \$25,000 capital stock, has acquired iron ore lands in Giles County, and proposes to develop the same at an early date. W. C. Crockett is the president of the company.

In orth of Durnam and the Virginia line.

Many years ago the old ore bed in Person County, right on the Virginia line.

Many years ago the old ore bed in the was profitably worked, although not on a large scale. It is believed, and ever has been believed, that proper development there will show the beds to be exceedingly rich in ore.

VIRGINIA IS THE LEADER IN MANGANESE PRODUCTS LEAF TOBACCO SALES ON ALL LEAF MARKETS

Cold, Harsh Weather Forbids Farmers Moving Weed From Barns. Good Prices Continue.

FIRST FIRED CURED OF SEASON at Blacksburg in February.

Dark Shipping Leaf 50 Per Cent Cured Deliveries Small and Former Prices Maintained.

The continued cold weather has made keting, and the result is that the deliveries in the markets of Virginia and

baccos in the barns; that is to say, a warm, rainy season, and no prophet, water we in these uncertain times, can guess Mullens.

Very Light Sales at Danville.

DANVILLE, VA., January 12.—Owing new demand.

to very unfavorable weather for mar
A \$200,000 cold-storage plant is to

The opening prices after the holidays were about on a level with those prevailing before the close of the year. There is no dimunition in the anxiety

will be marketed very promptly.

Small Offerings at South Boston.

tobacco from the barns on this market this week, and the warehousemen took advantage of the situation to sell tobaccos that had been held over from prespecting for manganese has been done in this tract, but the Watson mine is about a mile north-northwest of it, and a number of manganese prospects are scattered along the west base of Grindstone Mountain between the spring trade.

The plant for the manufacture of truck packages at Denbeigh, in Warwick County, is now a settled fact. It will get to work in time for the spring trade.

The plant for the manufacture of truck packages at Denbeigh, in Warwick County, is now a settled fact. It will get to work in time for the finer goods. There will be no the finer goods. There will be no manganese prospections of the sales amounted to 150,—e00 pounds. The prices paid were fully up to those prevailing before Christman. more large sales until there is a change in the weather and the farmer gets a

Strong Market at Lynchburg. LYNCHBURG, VA., January 12.—The weather has been so cold and dry that

eaf, \$20 to \$30; dapple leaf, \$20 to size are soon to be laid. A large force of hands is now employed at the Naull \$35; wrappers, \$25 to \$50.

Winston - Salem Also Weather Bound, these vessels, WINSTON - SALEM, N. C., January 12.—Leaf tobacco sales continue very ago leased the plant of the Camp small because of the cold, harsh Manufacturing Company, a large lumweather, unsuitable for the handling of ber concern, and converted it into a tobaccos in the leaf state. The total shipyard, instruction offerings for the week were but a sary machine little over 150,000 pounds. The market ceivable time. was as strong, and prices as high, as any time this tobacco season. Light any time this tobacco season, sales are expected next week.

ley, which extends from Ramsey Mountain, and which has two northward-stretching synclinal prongs, makes it favorable ground for The Marston Orchards Company has the week amounted to about 250,000 means a street car service for Suffolk

The internal revenue office at Reids-ville sold revenue stamps to the amount of \$1,415,769.95 during 1917, compared with \$781,857.22 sold the preceding year. Practically the entire amount

Important Schedule Changes Seaboard Air Line Railway

Effective January 13th -Train No. 3, leaving Richmond for the South at 12:50 noon, will leave at 1:10 P. M. Train No. 5, for Atlanta, now leaving at 10:50 P. M., will leave at 9:40 P. M. Train No. 1. eaving Richmond at 12:42 A. M., will leave at 11:40

A FARMERS' INSTITUTE

Special Short Course at Furmville for Crop Makers of Prince Edward and Adjoining Counties.

FARMVILLE, VA., January 12 .- A Farmers' Institute will be held in Farmville this week for the benefit of Prince Edward County farmers and those of adjoining counties, who will be unable to take the short course

At the last regular meeting of the Prince Edward County Farmers' Union Higher Than a Year Ago—Sun Wills as chairman, to try to arrange with the extension division of the Virginia Polytechnic Institute to hold here such an institute or short course. Chairman Wills had no difficulty in it impossible for the growers of to-January 16 and 17, next Wednesday bacco to get the leaf in order for mar- and Thursday, were named as the dates for the institute. All of the arrange-ments have been completed, and the meeting generally advertised. The last quarterly report that has North Carolina were very small last Polytechnic Institute will send men posits to the rocks and to the surface features in the Shenandoan Valley, and have come to definite conclusions which they believe will aid in the diswhich they believe will aid in the diswhich they believe will aid in the dis-of manganese ore. The summary also of the weed that was offered on the arranged to entertain all of the good eovery of more manganese deposits. Shows that a large increase in the warehouse floors consisted of goods the people who shall attend the gathering. The Farmville Barred Rock Association will have a poultry exhibit at the same time, and N. E. B. Talcott, government poultry expert, will be here to talk chickens and eggs to the

WEST VIRGINIA JOTTINGS

Something Going On in Industrial Lines tain State.

The Bank of Wyoming, at Mullens,

has been incorporated at Clarksburg.

Corporation proposes to build adequate water works at the growing town of

The town of Keyser will expend \$35,000 this year in the enlargement of its water works, in order to increase the water supply to meet the

be built at Charleston by Robert In-

RAILWAY EQUIPMENT UP

Locomotives More Than Doubled in Value—Railroads Also Up Against High Cost of Living.

"Talk about the high cost of living and high prices for everything to eat and to wear as much as you please, but the things that come highest in these days of soaring values are railway equipments." Thus spoke a prominent railway official to a Times-Dispatch

to prove his assertion. From those figures it appears that locometives that ago at from \$18,000 to \$30,000, now cost from \$15,000 to \$55,000, and, so the official said, the price is steadily advancing. Ordinary coal cars that could be bought for less than \$1,000 two years ago, to-day cannot be had for less than \$1,800 to \$2,200, and other things the railways have to buy are up in proportion, so the official declares.

SHIPBUILDING GOES ON

One of the Wilmington Yards Launches Two Vessels, and Rapidly Get-ting Others Ready.

WILMINGTON, N. C., January 12 .-enough to bring tobacco in order. The shipbuilding industry has become 156,000 pounds were sold this a settled fact in Wilmington. The week. Naull Shipbuilding Company have launched two wooden ships, each of a gross register of 1,500 tons, displacebeen at all, competition being unusually keen on all grades.

All grades of both air-cured and smoked tobacco are wanted, and are bringing remarkably high prices, as seen from the quotations below: lugs, seen from the quotations below: lugs, sits to \$20; short leaf, \$18 to \$25; good leaf. \$20 to \$30; dapple leaf. \$20 to

> yards getting timber in readiness for The Naull company several months shipyard, installing all of the neces-

Suffolk Looks for Trolley Line.

machinery in the shortest con-

SUFFOLK, VA., January 12.—The announcement that the Virginia Railway accumulation of ore.

The structure in the triangular value, which extends from Ramsey Mountain, and which has accumulation of ore.

Arrangements have been completed for the immediate rebuilding of the Sales of leaf tobacco were resumed on tain to Bear Mountain, and which has accumulation of ore.

Arrangements have been completed for the immediate rebuilding of the Sales of leaf tobacco were resumed on the Sales of leaf tobacco were resumed to th prongs, makes it favorable ground for deposits of manganese, and it should be tested by drill holes or pits. This valley includes about one square mile. The Marston Orchards Company has recently been incorporated at Pinchurst by R. W. Page and others, capital. The small synclinal valleys west and southwest of Bear Mountain may also contain workable deposits.

ORE FOUND IN PAGE

AND WARREN COUNTIES

Tract No. 5 is a wedge-shaped employment six rolles due youth of Luray

The Marston Orchards Company has recently been incorporated at Pinchurst by R. W. Page and others, capital. Stronger of the week amounted to about 250,000 the week amounted to about 250,000 the weak amounted to about 250,000 the was street car service for Suffolk 527,97, bringing the total for the seal son to date to about 21,000,000 pounds, at an average of \$22,68.

The Henshaw Hosiery Mills are being extablished at Oxford for the manufacture of half-hose. The buildings have been secured and the equipment contracted for.

John T. Patrick and associates are to build a hydro-electric plant at Esmer-



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ular.

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SOUTH BOSTON ACTIVITY; LARGE REAL ESTATE DEALS

l'obacco Warehouse Property Changes Hands-New Banking House to Go Up-Bottling Company.

SOUTH BOSTON, VA., January 12 .-Several important real estate sales have taken place here within the last few weeks. The Big Four Warehouse was sold to H. C. Lacy for \$36,000. This property has on it four stores on This property has on it four stores on Wilbourn Avenue, besides the tobacco warehouse. The Boston National Bank bought from Mr. Lacy covers the property fronting on Wilbourn Avenue, and will soon erect thereon a large bank-ing house. This building will be ing house. This building will be modern and equipped with all con-

veniences.
R. J. Tuck and F. P. Tuck have purchased 55 per cent of the stock in the Edmunds Warehouse. The consideration was \$22,000. Both of these gentlemen are successful tobacconists. S. C. Glenn has purchased from his former partners their one-half interest in the Farmers' Warehouse, and is now

he sole owner of this property. The American Tobacco Company has made plans to bag "Buil Durham" to-bacco at their South Boston factory. This means the employment of 150 perons, and it is believed the result will be that the manufacture of smoking tobacco will become a permanent industry for this town.

dustry for this town.

The American Steel and Bottling Company held a meeting here on Tuesday. This is the South Boston branch of this concern. They expect to commence operations about March 1. The factories of the Virginia Wagon Company and Barbour Buggy Company have been secured for this enterprise. Bottle-washing machines, steel crates have been secured for this enterprise. Bottle-washing machines, steel crates and other supplies for the bottling industry will be manufactured. R. S. Barbour, of this city, is president, and it is believed this enterprise will add much to the business of the town.

To Double Force and Output.

CLINTWOOD, VA. January 12.—The McCorkle Lumber Company, which operates an extensive lumber manufacturing plant at Nora, in this (Dickenson) county, has doubled its capital stock, from \$50,000 to \$100,000. The plant will be materially enlarged, and the already large force of hands practically doubled.

For the Women Folks Only. TAYLORSVILLE, N. C., January 12.--The Adams Hosiery Mills Company has been organized here with R. A. Adams at the head of it. The company will at the head of it. The compa manufacture women's hosiery They already have a plant and intend to greatly increase its daily capacity.

ECZEMA CAUSED YEARS OF INTENSE AGONY

"I have suffered intense agony from Eczema on my leg and other parts of my body for years, and received only temporary relief from other preparations. It is only a month since Istarted to use PETERSON'S OINT-MENT, and there is no sign of Eczenia or itching. You can refer to me."—Geo. C. Taibot, 27 Penneld St., Buffalo, N. Y. Peterson, just as sincere and honestarted Peterson, just as sincere and honest as this one. Years ago, when I first started to put out PETERSONS OINT-MENT, I made up my mind to give a big box for a small price, and I'm still doing it, as every druggist in the country knows.

Big Eaters Get Kidney Trouble

Take Salts at first sign of Bladder irritation or Backache

The American men and women | get from your pharmacist about four ney trouble, because we cat too much and all our food is rich. Our blood is filled with uric acid which the kidneys strive to filler any the stripe to fill the stripe to the stripe

of lead; your back hurts or the urine is cloudy, full of sediment or you are

neys strive to filter out, they weaken from overwork, become sluggish; the eliminative tissues clog and the rehas been used for generations to flush suit is kidney trouble, bladder weak-ness and a general decline in health. When your kidneys feel like lumps of lead; your back hurts or the urine when your kidneys feel like lumps of lead; your back hurts or the urine

Jad Saits is inexpensive; cannot inobliged to seek relief two or three times during the night; if you suffer lithia-water beverage, and belongs in with sick headache or dizzy, nervous spells, acid stomach, or you have rheumatism when the weather is bad.

NUX-IRON-PAW-PAW

LEADS ALL REMEDIES

3 POWERFUL FORCES IN 1 Unimpeachable testimony from all over the South

coming in daily.

Methodist Preacher Joins the Ranks



"IRON MAN" RECEIVING ORDERS. who are already disciples of Ironized Paw-Paw. The reverend gentleman Paw-Paw. The reverend gentleman East Broad Street; Grant Drug Co. says: "I have suffered from stomach (all branches).

Ironized Paw-Paw by reading one of your announcements in the newspapers, I obtained a bottle and began to use it. same evening slept sounder than I had tinue the treatment." I want the man or women a

sleep and is despondent to come try this remedy. You'll never a to the old-fashioned medicines of business and profess Ironized Paw-Paw enab more and better work.

troubles for a number of years, which ironized Faw-Paw, price \$1.00 Form-caused me considerable anxiety. I ula on every bottle Mail orders prompt-could not sleep, or at least I did not by attended to. Interstate Drug Co., know what a sound sleep was for many Inc. New York —Adv.

WARREN PAINT CO., 700 W. Broad Street, Glass, Varnishes, Paints.

Wontague Wifg. Co.

